

[0038] It is noted that, in another embodiment of the present invention, actions performed in box 204 of Fig. 2 are optional. More specifically, multiple steps ~~actions~~ of copying identified data blocks to a temporary buffer ~~Can~~ can be saved for a certain database system if the an operation system of such a database system allows for writing multiple data blocks to the disk with a single write command. For instance, the Unix operating system has a “gather write” function that allows the execution of a single write command to write multiple data blocks in a buffer into a disk. As a result, if the database system is run by such an operating system, there may be no need to copy identified dirty data blocks to the temporary buffer C by actions in boxes 204, 308, and 322 before the database system can write these identified dirty data blocks into the disk.

Please amend and replace the **ABSTRACT** as follows:

~~A method and system for implementing coalescing write IOs for an electronic and computerized system is disclosed. The electronic and computerized system has a buffer cache storing data blocks waiting for being written into a disk of the electronic and computerized system.~~ An electronic and computerized system that coalesces write operations using a buffer cache which stores data waiting to be written back to a disk of the electronic and computerized system is described. Dirty data blocks with consecutive data block addresses in the buffer cache are coalesced and written to the disk together. ~~Thus, the~~ The disk head movements for performing the disk write IOs are significantly reduced, thereby allowing the electronic and computerized system to maintain a high IO throughput and high peak performance with fewer disks.